multinautic

BOAT & PWC ROLLER RAMP ASSEMBLY

Kits #19225 & 19226

OTHER MATERIAL NEEDED

LUMBER & FASTENING :

2x	2" x 8" x 16' (sides)
1x	2" x 6" x 14' or 16' (end pieces & struts)
1x	2" x 4" x 10' (winch pole and diag. support)
36x	3" wood screws (more or less)
32x	2-1/2" x 3/8" bolts, nuts & lock washers for steel parts
4x	2-1/2" x 1/2" bolts, nuts & lock washers for the keel roller
2x	4-1/2" x 3/8" lag screws or bolts, nuts & lock washers for the winch

TOOLS :

Miter saw or saw & protractor
Measuring tape
Star screwdriver
Drill with 7/16" & 9/16" drill bits
3/8", 1/2" and 3/4" wrench

STEP-BY-STEP GUIDE

1) Cut lumber to sizes according to plan or to your preferred lenghts .
2) Pre-assemble with a couple screws making sure you're not putting the screws where you will drill the holes for steel hardware.
3) Mark holes with a pen by positioning brackets and marking inside the holes.
4) Drill holes and bolt on hardware.
5) Install wheels, keel roller, winch post, winch and bumper.